无刷电调
用户手册

makeflyeasy

注意

感谢您购买本产品！本产品功率强大，错误的使用可能导致人身伤害和设备损坏，强烈建议您在使用设备前仔细阅读本说明书并保存，严格遵守规定的操作程序，我们不承担因使用本产品或擅自对产品进行改造所引起的任何责任，包括但不限于对附带损失或间接损失的赔偿责任，我们有权在不经通知的情况下变更产品的设计、外观、性能及使用要求。

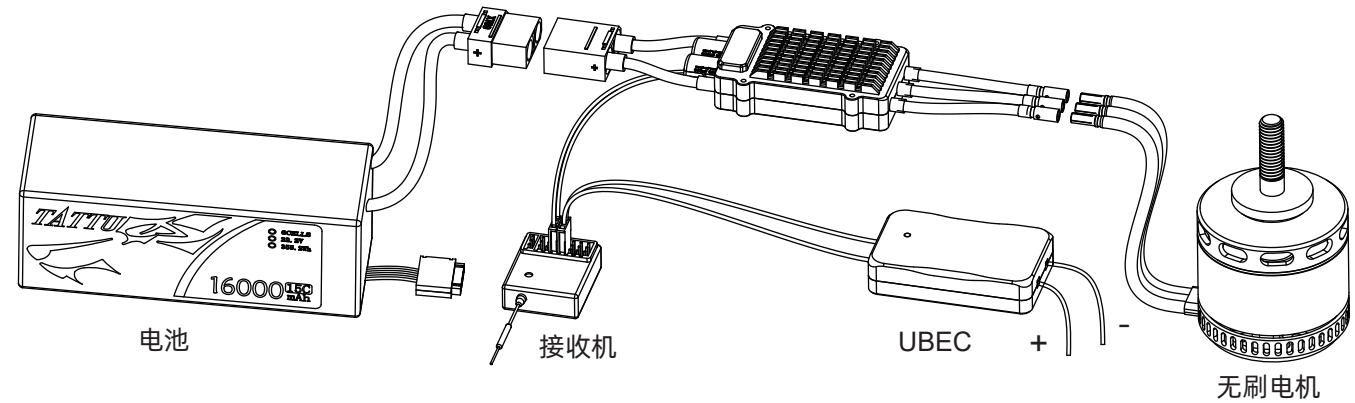
01 主要特性

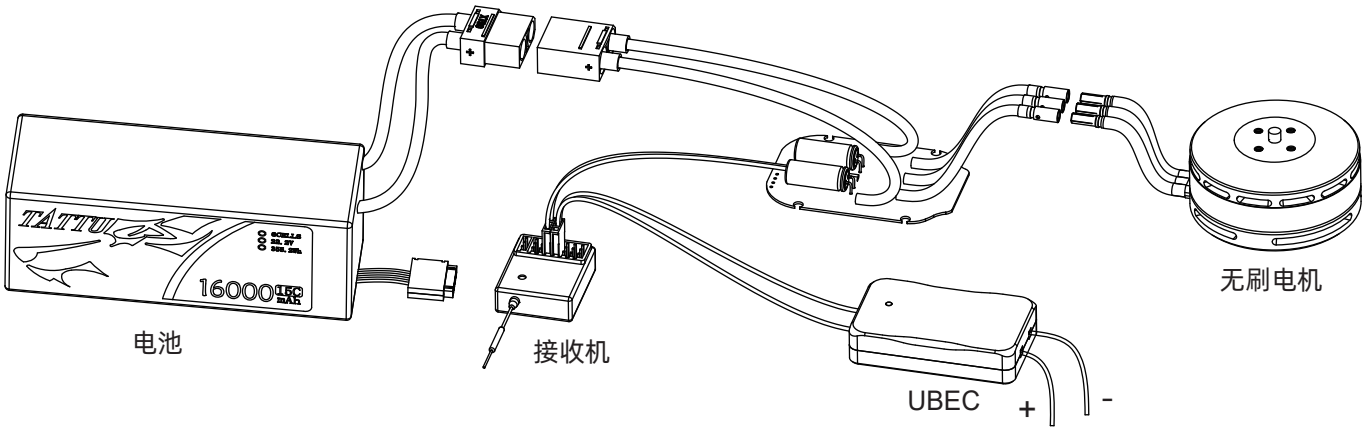
- 采用高性能处理器，具有出色的电机兼容性和驱动效率；
- 高性能MOSFET、低ESR，输出电流大，发热小；
- 采用定制固件，响应速度快，性能卓越；
- 双绞信号线，降低信号的传输干扰，飞行更稳定；
- 定制航空铝合金外壳，坚固耐用，散热效果好。

02 产品规格

型号	持续电流	瞬时电流	BEC	锂电节数	重量（g）	模块尺寸(mm)
MFE ESC 650	25A	50A	NO	6S	49	67x37.4x13.6
MFE ESC 6100	50A	100A	NO	6S	85	74x37x18
MFE ESC 1240	20A	40A	NO	12S	53	63x43x13.6
MFE ESC 1260	30A	60A	NO	12S	125	74x37x18
MFE ESC 12100	50A	100A	NO	12S	117	76x45x14
MFE ESC 12120	60A	120A	NO	12S	253	85x47x20

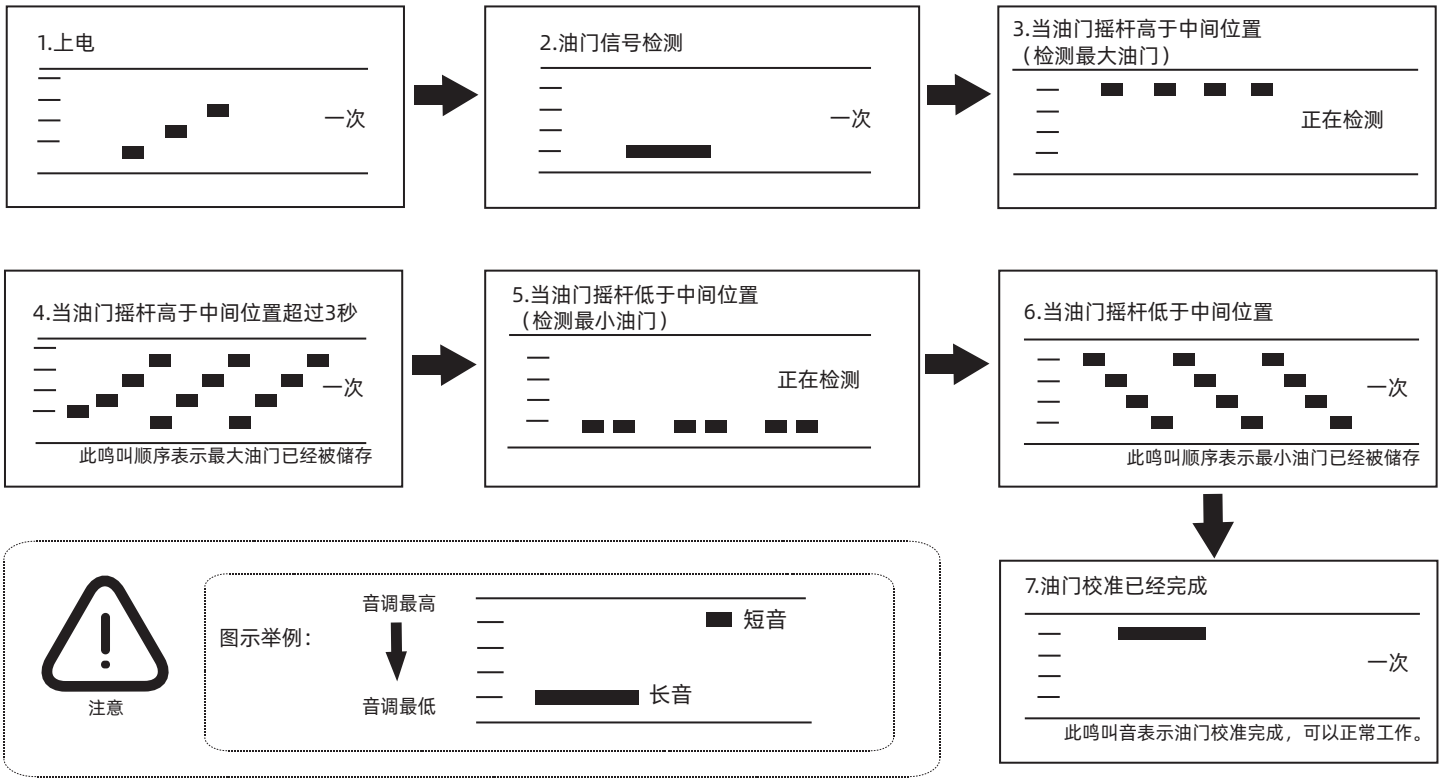
03 连线示意图



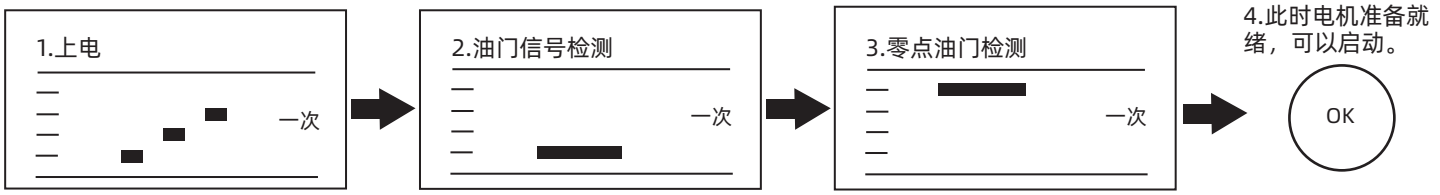


04 油门校准

注意！电调出厂默认JR标准，行程值为1100us~1900us，中位值为1500us，上下区间值为400us。



05 正常工作及提示音



06 注意事项

- 所有焊接要求良好的焊接技术，任何时候都需要避免因焊接而造成元件或线材之间短路。
- 为避免短路和漏电，请确保连接处绝缘良好。
- 无论任何时候都要注意极性，供电之前一定要反复检查。
- 首次使用无刷电调或更换遥控设备后需要进行油门行程校准。
- 在插拔或做任何连接时，请关闭电源。
- 请不要超出ESC工作电流范围使用。

扫码获取更多技术支持
https://doc.makeflyeasy.com

User Manual
Brushless ESC

ATTENTION

Thank you for purchasing this product! The power of this product is powerful, and incorrect use may cause personal injury and equipment damage. It is strongly recommended that you carefully read this manual and save it before using the equipment, and strictly abide by the prescribed operating procedures. We are not responsible for using this product or modifying the product without authorization. Any liability arising therefrom, including but not limited to liability for incidental or consequential damages, we have the right to change the design, appearance, performance and usage requirements of the product without notice.

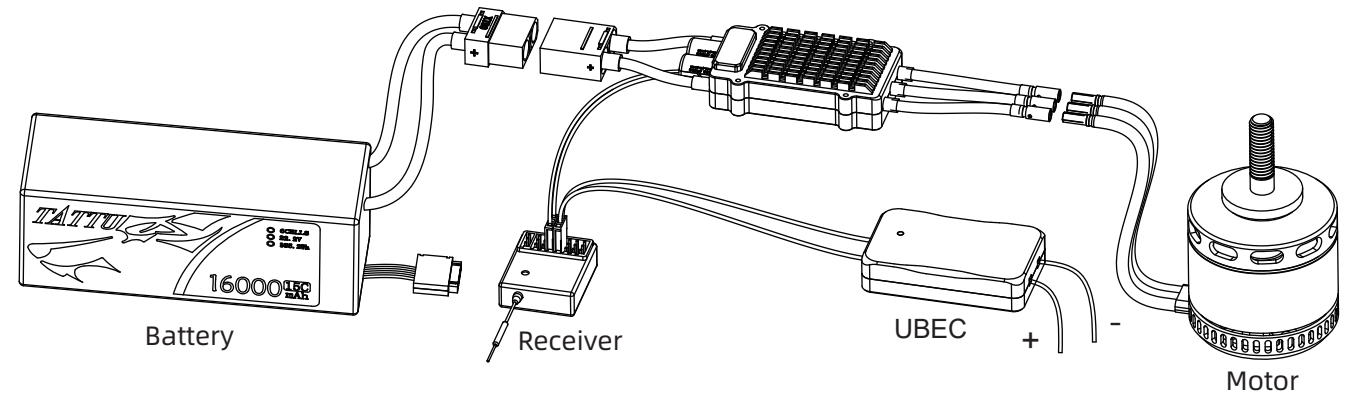
01 Main features

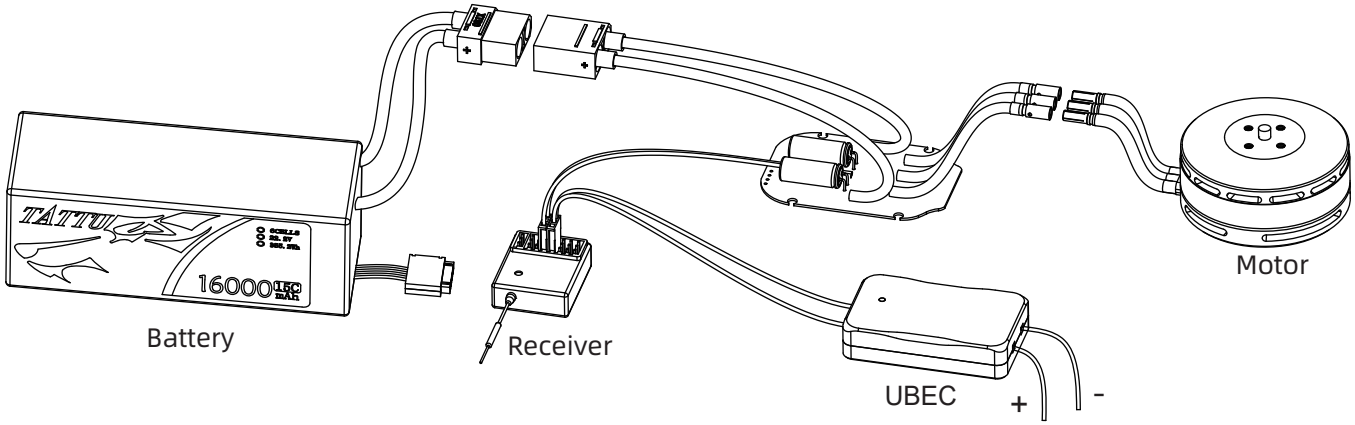
- Products have excellent motor compatibility and drive efficiency due to the use of high-performance processors;
- It has high-performance MOSFET, low ESR, and has large output current and low heat generation;
- Excellent product performance, using custom firmware, fast response;
- The use of twisted pair signal lines can reduce signal transmission interference and make the flight more stable;
- Adopt custom aviation aluminum alloy shell, durable and good heat dissipation effect.

02 Specifications

Model	Con.Current	Burst Current	BEC	LiPo	Weight (g)	Size (mm)
MFE ESC 650	50A	70A	NO	6S	46	67x37.4x13.6
MFE ESC 6100	100A	120A	NO	6S	85	74x37x18
MFE ESC 1240	40A	60A	NO	12S	55	63x43x13.6
MFE ESC 1260	60A	80A	NO	12S	85	74x37x18
MFE ESC 12100	50A	100A	NO	12S	117	76x45x14
MFE ESC 12120	60A	120A	NO	12S	253	85x47x20

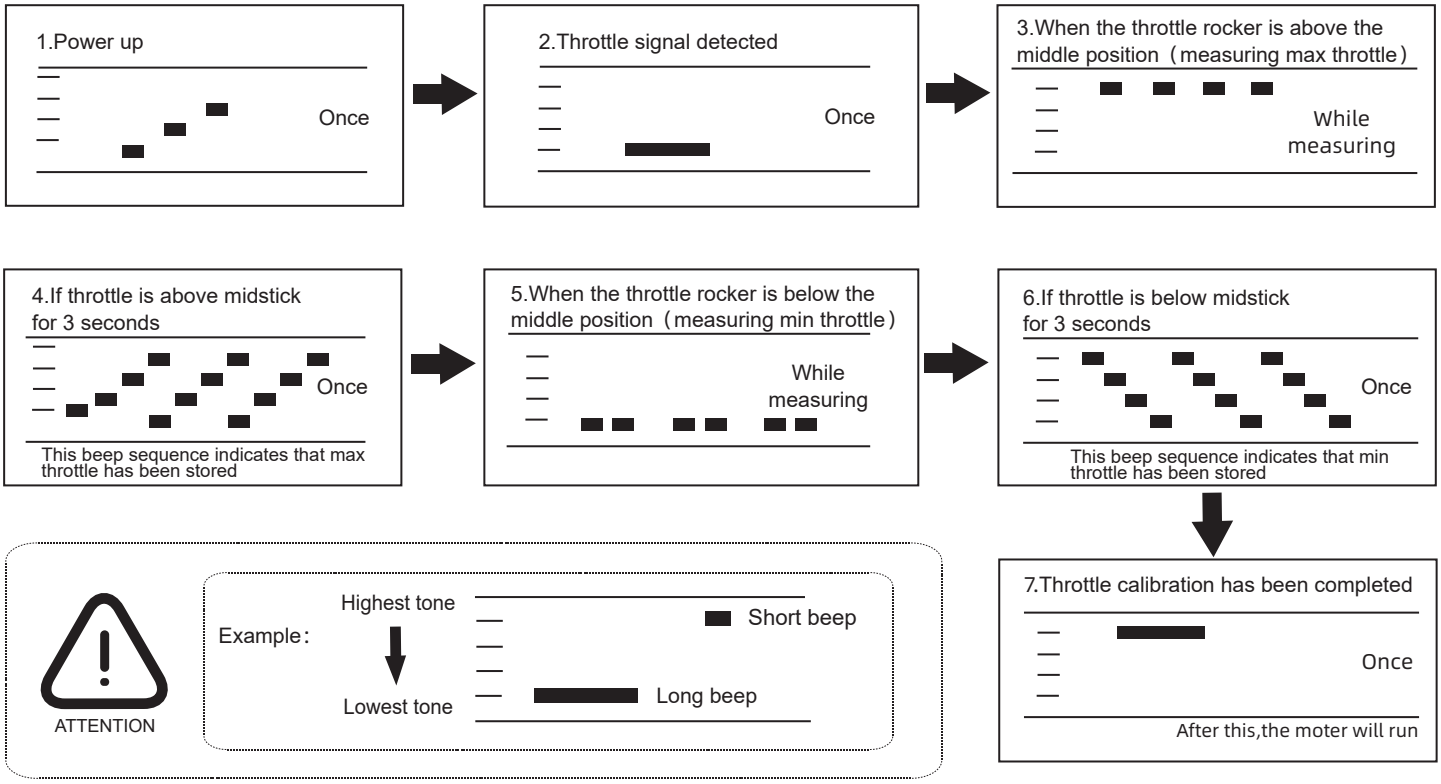
03 Connect diagram



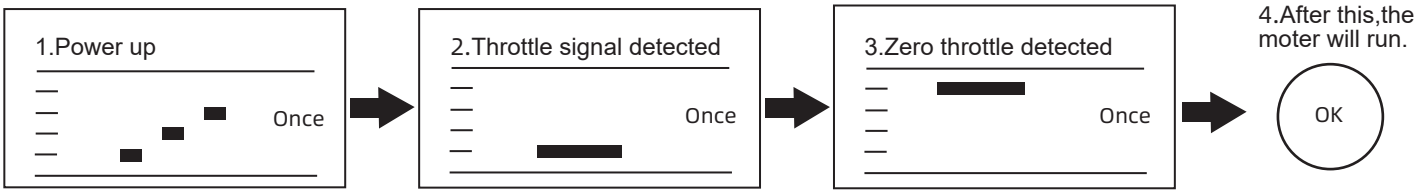


04 Beeps-Throttle calibration

Notice! The factory default JR standard of the ESC, the stroke value is 1100us~1900us, the median value is 1500us, and the upper and lower interval is 400us.



05 Beeps-Normal operation



06 Attention

- All soldering requires good soldering technique, and short circuits between components or wires due to soldering need to be avoided at all times.
- To avoid short circuits and leakage, make sure the connections are well insulated.
- Pay attention to polarity at all times, and be sure to double-check before supplying power.
- Throttle travel calibration is required after using the brushless ESC for the first time or after replacing the remote control device.
- Turn off the power when plugging or making any connections.
- Please do not use it beyond the working current range of ESC.

Scan the code for more technical support
https://doc.makeflyeasy.com